



ASBESTOS AIR ANALYSIS

By: PHASE CONTRAST MICROSCOPY

Client: SAQ Environmental Engineers, Inc.
PO Box 155
Manati, PR 00674

CEI Lab Code: P14-1449

Date Received: 06-13-14

Date Analyzed: 06-16-14

Date Reported: 06-17-14

Project: HOMECA

ASBESTOS FIBER COUNT, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (Liters)	Fibers	Fields	Fibers / cc
Hom-A-061114-CR26-01 Field Blank	P93423	Blank	0	100	
Hom-A-061114-CR26-02 Field Blank	P93424	Blank	0	100	
Hom-A-061114-CR26-03	P93425	4995	13	100	0.0013
Hom-A-061114-CR26-04	P93426	4950	15	100	0.0015
Hom-A-061114-CR26-05	P93427	4890	13	100	0.0013



REGULATORY LIMITS: OSHA: Excursion Level (EL) is 1.0 fibers per cc based on a 30 minute sample.
OSHA: Permissible Exposure Level (PEL) is 0.10 fibers per cc based on 8 hour TWA.
EPA: Final Clearance Standard is 0.01 fibers per cc.

METHOD: NIOSH 7400, A RULES

Please note that the results have not been corrected for contamination based on the field blank or lab blank. The results relate only to the items tested. The overall relative standard deviation (Sr) for the lab = 0.20. The detection limit is 7 fibers/mm². Samples were received in acceptable condition.

This report may not be reproduced, except in full, without written approval by CEI LABS. CEI LABS makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results.

A handwritten signature in black ink, appearing to read "Antonia Hoyland".

ANALYST: _____

Antonia Hoyland

A handwritten signature in black ink, appearing to read "Tianbao Bai".

APPROVED BY: _____

Tianbao Bai, Ph.D.
Laboratory Director

AIHA IHLAP #103025



107 New Edition Court, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS ⁵ P14-1449
CHAIN OF CUSTODY P93423-
P93427

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	SAMUEL QUINONES
Company:	SAQ ENVIRONMENTAL ENGINEERS, INC	Email / Tel:	787-374-6187
Address:	PO. BOX 155, MANATI PR, 00674	Project Name:	HOMECA
		Project ID#	
Email:	SAMUELQ@SAQEE.COM	PO #:	
Tel:	787-374-6187	Fax:	
		STATE SAMPLES COLLECTED IN:	

GENERAL INSTRUCTIONS			
POSITIVE STOP ANALYSIS	<input type="checkbox"/>	PLM DUE DATE:	/ /
ANALYZE NOB'S BY TEM	<input type="checkbox"/>	TEM DUE DATE:	/ /

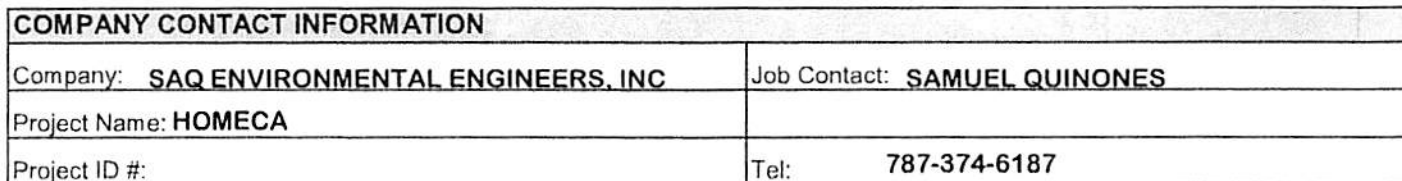
IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR AHERA	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR NIOSH	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS: If niosh 7400 result is >0.0009 fpe then analyze also for niosh 7402		<input checked="" type="checkbox"/> Accept Samples	
		<input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
HJ886	06/11/24 14:57	KL	6/13/14 12:25 pm

Samples will be disposed of 30 days after analysis

P14-1449



See @.O.O. air for more details

CHAIN OF CUSTODY (TRANSMITTAL SHEET FOR AIR SAMPLES)

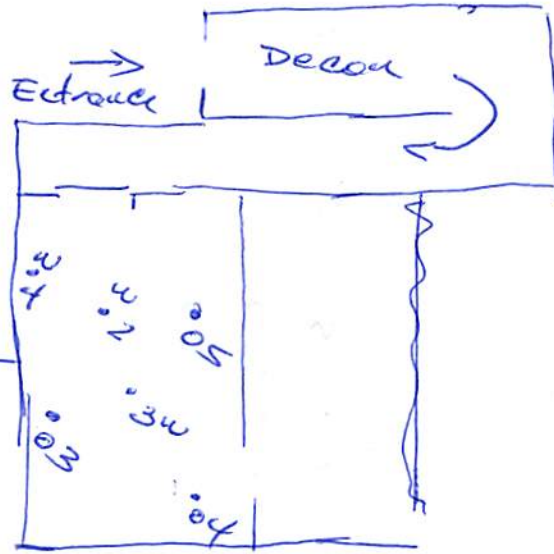
Customer Name:	Homeco Recycling	Project Name:	Segunda Unidad Lucas Perez Valdivia		
Contact:	Samuel Quiñones	Total Samples:		Job Number:	
Phone / Fax/Email:	787-374-6187	Worker Name:		Worker ID:	
Collected By:	Carlos E. Casio 03010139 MS	Worker Name:		Worker ID:	
Analyzed By Lab:		Worker Name:		Worker ID:	
AIHA Lab ID:		Worker Name:		Worker ID:	
Project Description:	Air samples from class room #26, NIOSH method 7400/7402, using 0.0009 flow rate limit. over 0.0009 flow analyzed by TEM method.				

Lab ID	Date	Sample ID	Sample Description	Pump	Time		Flow Rate			Volume (L)	Asbestos		Lead Air	Minutes
					START	STOP	Initial	Final	Avg.		PCM	TEM		
JDA-11-14-091114-01		Hom-A-01	Field Blank								✓	✓		
JDA-11-14-091114-02		Hom-A-02	Field Blank								✓	✓		
JDA-11-14-091114-03		Hom-A-03	Air sample, from class room #26	HV-5105	0845	1418	15.0	15.0	15.0	4,995	✓	✓		333
JDA-11-14-091114-04		Hom-A-04	Air sample from class room #26	HV-5109	0850	1420	15.0	15.0	15.0	4,950	✓	✓		330
JDA-11-14-091114-05		Hom-A-05	Air sample from class room #26	HV-29	0855	1421	15.0	15.0	15.0	4,890	✓	✓		326

Turn Around Time: Normal: 7 days <u>X</u>		Rush: 24 hours		Rush: 16 hours							
Sampling Collected by:	Relinquished by:	Received by:	Relinquished by:	Received by:	Delivery to Lab by:	Received at Lab by:					
<i>C. Casio</i>	<i>AJ386</i>	<i>CC</i>	<i>CC</i>	<i>CC</i>	<i>AJ386</i>	0					
Date: <i>June-11-14</i> Time: <i>14:50</i>	Date: <i>June-11-14</i> Time: <i>14:57</i>	Date: <i> </i> Time: <i> </i>	Date: <i> </i> Time: <i> </i>	Date: <i> </i> Time: <i> </i>	Date: <i> </i> Time: <i>14:57</i>	Date: <i> </i> Time: <i> </i>					

P14-1449

A
N



26